ABSTRACT OF THE DISCLOSURE

This invention relates to a brake component having a coating material applied thereto adapted for use in a vehicle brake assembly, method for producing such a brake component, and a vehicle brake assembly including such a brake component. The brake component is selected from the group consisting of brake shoe and a brake rotor. The brake shoe includes a friction lining having an outer surface having surface irregularities and the brake rotor including an inner cylindrical braking surface having surface irregularities. The surfaces of the brake components are disposed adjacent one another and adapted to frictionally engage one another when the brake assembly is actuated. The brake component surface having the surface irregularities prevents complete contact between the adjacent surfaces of the brake components prior to any burnishing or other contact or wear of components. According to the present invention, a green static coefficient of friction between the adjacent surfaces of the brake components is increased by applying a coating material to at least a portion of the surface of one of the brake components whereby the coating material is operative to at least partially fills in at least some of the surface irregularities so as to increase a contact area between the surfaces of the brake components thereby increasing the green static coefficient of friction between the surfaces of the brake components when the brake assembly is actuated.